
DESIGN CRITERIA

BUILDING DIVISION

CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA - COCONINO COUNTY

Designations for Table R301.2 (1) as Follows:

- A. Ground Snow Load – See Snow Loads Below
- B. Wind Speed – 90 Miles per Hour, 3 second gust
- C. Seismic Design Category – C
- D. Weathering – Moderate
- E. Climate Zone – Table C301.1 and Table R301.1 designate Coconino County into Climate Zone 5B. The following areas are classified as Climate Zone 6B:
Hart Prairie, Kendrick Park, Jacob Lake and the North Rim, and any building site at an elevation of 8000 feet or more above sea level.
The following areas are classified as Climate Zone 4B:
Cameron, Tuba City, Areas between Twin Arrows and Winslow, Oak Creek Canyon, Areas surrounding Ash Fork and Seligman, Areas surrounding Fredonia, Alpine Ranchos and Leupp.
The following areas are classified as Climate Zone 3B: Greenhaven, Marble Canyon.
- F. Frost Line – 30 inches into undisturbed soil for exterior footings in all areas of Coconino County with the exception of Oak Creek/Sedona, Marble Canyon and Greenhaven where the depth is 24 inches into undisturbed soils. All interior footings depth shall be 12 inches into undisturbed soil.
- G. Termite – Site Specific: Moderate to Heavy.
- H. Ice Barrier Underlayment Required – All areas of Coconino County Except: Marble Canyon and Greenhaven.
- I. Flood Hazard – The Flood Plain Administrator is the Director of Coconino County Community Development.

SNOW LOADS

Amend IBC 1608.2. Snow Loads for roof design shall be required as a non-reducible live load on the roof. When the Ground Snow Load is used to determine a roof snow live load then use the Ground Snow Load values contained herein. In no case shall the roof live load be less than the live loads listed in this section.

- A. Fifty (50) pounds per square foot live load:
Ground Snow Load Seventy-Five (75) pounds per square foot.
 - 1. Hart Prairie
 - 2. Kendrick Park
 - 3. Jacob Lake and the North Rim
 - 4. Any building site at an elevation of 8000 feet or more above sea level.
- B. Forty (40) pounds per square foot live load:
Ground Snow Load Sixty (60) pounds per square foot.
 - 1. Areas surrounding Flagstaff
 - 2. Doney Park
 - 3. Valle
 - 4. Tusayan
 - 5. Parks
 - 6. Areas surrounding Williams

7. Clear Creek Pines
8. Starlight Pines
9. Happy Jack
10. Forest Lakes
11. Mormon Lake
12. Kachina Village
13. Mountaineer
14. Pinewood

- C. Thirty (30) pounds per square foot live load:
Ground Snow Load Forty-Five (45) pounds per square foot.
1. Cameron
 2. Tuba city
 3. Areas between Twin Arrows and Winslow
 4. Oak Creek Canyon
 5. Areas surrounding Ash Fork and Seligman
 6. Areas surrounding Fredonia
 7. Alpine Ranchos and Leupp
- D. Twenty (20) pounds per square foot
Ground Snow Load Thirty (30) pounds per square foot.
1. Greentown
 2. Marble Canyon

ADOPTED CODES – Ordinance 2014-07

- A. 2012 International Building Code
- B. 2012 International Residential Code
- C. 2012 International Mechanical Code
- D. 2012 International Fuel Gas Code
- E. 2012 International Plumbing Code
- F. 2012 International Energy Conservation Code
- G. 2012 International Existing Building Code
- H. 2011 National Electric Code